

Task: M3.3.206 Evaluate a Reduced Vertical Separation Minimums (RVSM) Maintenance Program														
Function: 3.0 Certification														
Duty: 3.3 Air Operator Certification														
Previous Task Analysis:							Difficulty: 4				Criticality: Y			
							Importance: 5				Time:			
							Frequency: 2				Job Aid: N			
PTRS Tracking							Specialty							
3411	3413						S	O	M	E	F	A	C	T
5411	5413								P			P		

Legal References:

49 U.S.C. § 40113	Administrative
49 U.S.C. § 44701	General Requirements
49 U.S.C. § 44702	Issuance of Certificates
49 U.S.C. § 44704	Type Certificates, Production Certificates, and Airworthiness Certificates
49 U.S.C. § 44713	Inspection and Maintenance

Purpose:

To ensure an operator's aircraft and maintenance program meet regulatory requirements for operations in Reduced Vertical Separation Minimums (RVSM) airspace

Significant Interfaces:

Operator
Contract Service Provider
Flight Standards District Office
Regional Flight Standards Division
FAA Regional RVSM Focal Point
Aircraft Certification Office
Aircraft Evaluation Group
Certification, Standardization, and Evaluation Team
Continuous Airworthiness Maintenance Division, AFS-300
Flight Technologies and Procedures Division, AFS-400
Aircraft Manufacturer

Procedural Guidance (current editions):

14 CFR Part 21	Certification Procedures for Products and Parts
14 CFR Part 91	Air Traffic and General Operating Rules
14 CFR Part 125	Certification and Operations: Airplanes Having a Seating Capacity of 20 or More Passengers or a Maximum Payload Capacity of 6,000 Pounds or More; and Rules Governing Persons on Board such Aircraft
Order 1380.51	Program Tracking and Reporting Subsystem
Order 8900.1	Flight Standards Information Management System (FSIMS)

NOTE: Ensure you have the most current information. The Flight Standards Information Management System (FSIMS) may be used to obtain current guidance.

Steps, Sub-Steps & Knowledges	Recommended Training
<ol style="list-style-type: none"> 1. Receive request for authorization to operate in RVSM airspace K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 <ol style="list-style-type: none"> 1.1 Open PTRS record K: Order 1380.51 K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 1.2 Update PTRS record in a timely manner during evaluation process; make separate PTRS record entries as required K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 2. Participate in pre-application meeting in coordination with operations inspectors; inform operator of required documentation, FAA requirements for authorization to operate in RVSM airspace, and timing of events K: 14 CFR § 91.706 K: 14 CFR Part 91, Appendix G K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 3. Review/evaluate operator RVSM application in coordination with operations inspectors; ensure content complies with regulations K: 14 CFR Part 91, Appendix G K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 <ol style="list-style-type: none"> 3.1 Review operator's airworthiness documents; ensure aircraft has been approved by appropriate airworthiness authorities for RVSM operations K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 3.2 Evaluate operator's configuration list detailing all components and equipment relevant to RVSM operations for agreement with design K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 3.3 Evaluate operator documents showing required inspections and/or hardware and software modifications if required have been completed on each airframe that will operate in RVSM airspace K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 3.4 Evaluate operator's submitted continuing airworthiness RVSM maintenance program; ensure program includes scheduled inspections/tests specified by the design holder to verify systems continue to meet RVSM standards K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1 3.5 Evaluate operator's maintenance documents/manuals and minimum equipment list procedures for RVSM maintenance K: Order 8900.1, Vol. 3, Chap. 32, Sec. 11 	

Steps, Sub-Steps & Knowledges	Recommended Training
3.6 Ensure operator's maintenance program contains requirements that personnel working on RVSM related systems are trained K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	
3.7 Ensure operator's maintenance program includes the requirement that appropriately calibrated test equipment is used. K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	
3.8 Evaluate any additional special procedures needed to ensure continued airworthiness K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	
4. Inform operator that any variation/modification from initial installation that affects RVSM approval requires clearance by airframe manufacturer and FAA K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	
5. If all regulatory requirements for operator's RVSM maintenance program have been met, document approval, as appropriate K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	
6. Document task	
6.1 Register approved airframes on FAA RSVM Approvals Database K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	
6.2 Close PTRS record K: Order 1380.51 K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	
7. Future activities	
7.1 Closely monitor operator incidence of height-keeping errors and operator actions to rectify errors K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	
7.2 Consider removing RVSM operational approval if operator response to height-keeping errors is not effective or timely K: Order 8900.1, Vol. 4, Chap. 10, Sec. 1	